



041504

18351 U.S. PTO

PTO/SB/05 (01-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

EL 025RH-2

First Inventor

HEIMANN

Title

METHOD FOR TREATING

Express Mail Label No.

EL 975826987 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 31]  
(preferred arrangement set forth below)  
- Descriptive title of the invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 2]
5. Oath or Declaration [Total Sheets 4]  
a. ☒ Newly executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)  
i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
name in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ Paper  
c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Attorney  
(when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation☐ Divisional☒ Continuation-in-part (CIP)of prior application No.: 10/359,402

Prior application information:

Examiner

BARR

Art Unit:

1762

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS



Customer Number:

22505

OR ☐

Correspondence address below

Name	MICHAEL K BOYER				
Address	CHIEF PATENT COUNSEL ORSCHEN MANAGEMENT CO 2000 HWY 635				
City	MOBERLY	State	MISSOURI	Zip Code	65270
Country	USA	Telephone	6602694536	Fax	2694530
Name (Print/Type)	MICHAEL K BOYER		Registration No. (Attorney/Agent)	33085	
Signature			Date	4/15/04	

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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18351 U.S. PTO

10/825523



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**FEE TRANSMITTAL**  
**for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 770.00

## Complete if Known

Application Number

Filing Date

First Named Inventor

Examiner Name

Art Unit

Attorney Docket No.

9/15/2004

HEIMANN

EL025RH-2

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number  
Deposit Account Name

15-0680

ORSCHEN

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	770
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$) 770

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
14	-20** = 0	x 0 = 0	0
3	-3** = 0	x 0 = 0	0
Multiple Dependent			

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

\*\*or number previously paid, if greater. For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	1052 50	2052 25	Surcharge - late filing fee or oath	0
1053 130	2053 130	1053 130	2053 130	Surcharge - late provisional filing fee or cover sheet	
1812 2,520	2812 2,520	1812 2,520	2812 2,520	Non-English specification	
1804 920*	2804 920*	1804 920*	2804 920*	For filing a request for ex parte reexamination	
1805 1,840*	2805 1,840*	1805 1,840*	2805 1,840*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	2805 1,840*	1805 1,840*	2805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	1252 420	2252 210	Extension for reply within first month	
1252 420	2252 210	1253 950	2253 475	Extension for reply within second month	
1253 950	2253 475	1254 1,480	2254 740	Extension for reply within third month	
1254 1,480	2254 740	1255 2,010	2255 1,005	Extension for reply within fourth month	
1255 2,010	2255 1,005	1401 330	2401 165	Extension for reply within fifth month	
1401 330	2401 165	1402 330	2402 165	Notice of Appeal	
1402 330	2402 165	1403 290	2403 145	Filing a brief in support of an appeal	
1403 290	2403 145	1451 1,510	2451 1,510	Request for oral hearing	
1451 1,510	2451 1,510	1452 110	2452 55	Petition to institute a public use proceeding	
1452 110	2452 55	1453 1,330	2453 665	Petition to revive - unavoidable	
1453 1,330	2453 665	1501 1,330	2501 665	Petition to revive - unintentional	
1501 1,330	2501 665	1502 480	2502 240	Utility issue fee (or reissue)	
1502 480	2502 240	1503 640	2503 320	Design issue fee	
1503 640	2503 320	1460 130	2460 130	Plant issue fee	
1460 130	2460 130	1807 50	2807 50	Petitions to the Commissioner	
1807 50	2807 50	1806 180	2806 180	Processing fee under 37 CFR 1.17(q)	
1806 180	2806 180	8021 40	28021 40	Submission of Information Disclosure Stmt	
8021 40	28021 40	1809 770	2809 385	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	1810 770	2810 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	1801 770	2801 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	1802 900	2802 900	Request for Continued Examination (RCE)	
1802 900	2802 900			Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0

## SUBMITTED BY

(Complete if applicable)

Name (Print/Type)

MICHAEL K BOYER

Registration No. (Attorney/Agent)

33085

Telephone

6602694536

Signature

[Signature]

Date

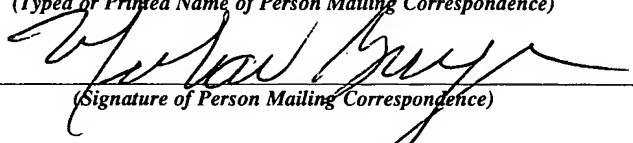
9/15/2004

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<b>CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)</b> Applicant(s): <b>ROBERT L. HEIMANN ET AL.</b>			Docket No. <b>EL025RH-2</b>
Serial No. <b>UNKNOWN</b>	Filing Date <b>APRIL 15, 2004</b>	Examiner <b>UNKNOWN</b>	Group Art Unit <b>UNKNOWN</b>
Invention: <b>METHOD FOR TREATING METALLIC SURFACES AND PRODUCTS FORMED THEREBY</b>			
<p>I hereby certify that this <b>NEW UTILITY PATENT APPLICATION TRANSMITTAL</b> <i>(Identify type of correspondence)</i></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under Mail Stop Patent Application - Commissioner for Patents, 37 CFR 1.10 in an envelope addressed to: <del>The Commissioner of Patents and Trademarks, Washington, D.C.</del> PO Box 1450, Alexandria, VA 22313-1450 <del>20294-0001</del> on <b>APRIL 15, 2004</b> <i>(Date)</i></p> <p><b>MICHAEL K. BOYER - USPTO REG NO 33,085</b> <i>(Typed or Printed Name of Person Mailing Correspondence)</i></p> <p> <i>(Signature of Person Mailing Correspondence)</i></p> <p><b>EL 975826987US</b> <i>("Express Mail" Mailing Label Number)</i></p>			
<p><b>Note: Each paper must have its own certificate of mailing.</b></p>			